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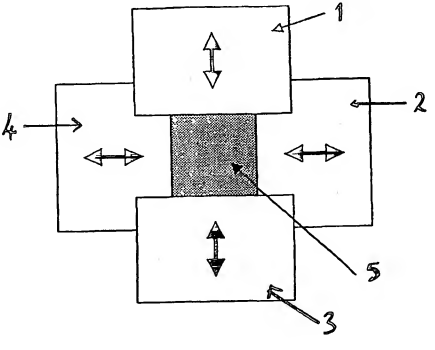
(54) Title: RADIATION COLLIMATION



(57) **Abstract**: In a collimator assembly for an X-ray imaging system comprising adjustable X-ray attenuating collimator vanes that define the area of a patient to be exposed to an X-ray beam, the collimator vanes (1, 2, 3, 4) are automatically driven under the control of an image processing apparatus to attenuate the X-ray beam to form exposure fields (5) of chosen shape.

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